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| Rev. 8/27/01 This is an experimenta | format - Please give suggestion | | ison, CP4-9C18, 306-5429. |
|---|---------------------------------------|-------------------|-----------------------------|
| Date 10/3/02 Serial # | 10/039336 | Priority Applicat | tion Date 10/29/01 |
| Your Name Que Le | · | Exam | iner# <u>68493</u> |
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| Where have you searched so | | 10-03-02A11:35 | |
| Circle: USPT I Other: None | OWPI EPO Abs | JPO Abs | IBM TDB |
| What relevant art have you is Information Disclosure State | | | ons or |
| What types of references wo | ould you like? Please ch | neckmark: | |
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| registry numbers, definitions topic. Please attach a copy o | • | | hat helps to describe the |
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| Searcher Phone: | Bibliographic | Dialog | |
| Searcher Location: STIC-EIC2800, CP4-9C18 | Litigation | Questel/Orbit | |
| Date Searcher Picked Up: | Folltext | Lexis-Nexis | |
| Date Completed: | Datast Ca-11 | 11/11/11/2 | • |
| Scarcher Prep/Rev Time: | Patent FamilyOther | WWW/Internet | |

Online Time:

10/3/02

To: QUE LE

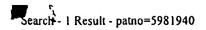
Re: 10/039,336 US 5,981,940

Attached are search results.

No U. S. litigation was found in searches of Lexis-Nexis and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,
Darcy Bates
STIC-EIC2800
306-5419
CP4-9C 18



Source: Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility Patents (

Terms: patno=5981940 (Edit Search)

08929539 () 5981940 November 9, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT 5981940

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November 9, 1999

Angle measuring system with a clampable shaft

REISSUE: October 29, 2001 - Reissue Application filed Ex. Gp.: 2878; Re. S.N.

10/039,336April 23, 2002

INVENTOR: Setbacken, Robert, Santa Barbara, CA; Goeden, Richard Michael, Santa

Barbara, CA

APPL-NO: 08929539 ()

FILED-DATE: September 15, 1997

GRANTED-DATE: November 9, 1999

ASSIGNEE-AT-ISSUE: Renco Encoders, Inc., Goleta, CA

ASSIGNEE-AFTER-ISSUE: March 30, 1998 - ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE

DOCUMENT FOR DETAILS)., RENCO ENCODERS, INC. 26 COROMAR DRIVE GOLETA,

CALIFORNIA 93117,, Reel and Frame Number: 009080/0281

LEGAL-REP: Brinks Hofer Gilson & Lione

PUB-TYPE: November 9, 1999 - Utility Patent having no previously published pre-grant

publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 250#23113

US-ADDL-CL: 250#23118

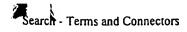
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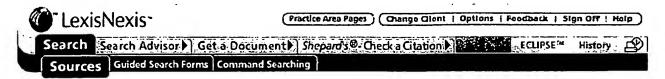
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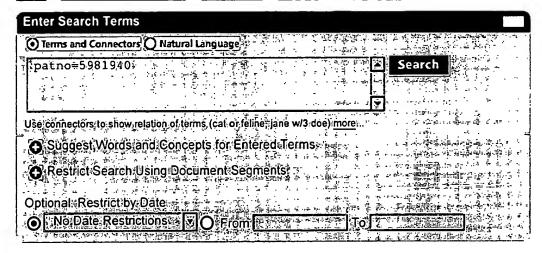
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4031441, 1977, United States (US) 4652748, 1987, United States (US)





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Selected file: PLUSPAT
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 Comprehensive Worldwide Patents database
 New Patent Citation Commands & FAM Citation Report - see INFO PATCITE
 Last update of file: 2002/10/02 (YYYY/MM/DD) 2002-39/UP (basic update)
 Search statement 1
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 PN - US5981940 A 19991109 [US5981940]
 TI - (A) Angle measuring system with a clampable shaft
 PA - (A) RENCO ENCODERS INC (US)
     - (A) SETBACKEN ROBERT (US); GOEDEN RICHARD MICHAEL (US)
 AP - US92953997 19970915 [1997US-0929539]
PR - US92953997 19970915 [1997US-0929539]
     - (A) G01D-005/34
     - G01D-005/347C2
 PCL - ORIGINAL (O) : 250231130; CROSS-REFERENCE (X) : 250231180
     - Corresponding document
 CT - US4031441; US4652748; DE3038005 A1; DE89151097
 STG - (A) United States patent
 AB - The angular measuring system has a hollow pick-up shaft whose end is
       slitted, and the slitted area has an interior thread. A screw with an
       exterior thread is provided for clamping the pick-up shaft in a bore
       of a driveshaft. The screw is turned into the pick-up shaft until it
       is axially supported on a detent. By further turning of the screw the
       thread flanks of the interior thread and of the exterior thread cause
       the slit end of the pick-up shaft to be spread open radially.
 1/1 LGST - (C) LEGSTAT
 PN - US 5981940 [US5981940]
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 ACT - 19970915 US/AE-A
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      - 19991109 US/A
       PATENT
      - 20020423 US/RF
       REISSUE APPLICATION FILED
       20011029
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UP - 2002-18

AN - 3232930

1/1 CRXX - (C) CLAIMS/RRX

PA - Renco Encoders Inc

PN - 5,981,940 A 19991109 [US5981940]

10/039336 PT - E (Electrical) ACT - 20011029 REISSUE REQUESTED ISSUE DATE OF O.G.: 20020423 REISSUE REQUEST NUMBER: 10/039336 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2878 Reissue Patent Number: UP - 2002-17 UACT- 2002-04-23 1/1 PAST - (C) Thomson Derwent AN - 200217-001780 PN - 5981940 A [US5981940] DT - A (UTILITY) OG - 2002-04-23 CO - REA ACT - REISSUE APPLICATION FILED SH - REISSUE APPLICATION FILED Search statement ?file inpadoc Selected file: INPADOC You are now connected to INPADOC Covers 1968/1973 thru weekly updates (2002-38) For information on content, .. INFO INPD. Search statement ?fam us5981940/pn 1 Patent Groups ** SS 1: Results 3 Search statement ?famstate nonstop 1/3 INPADOC - (C) INPADOC PN - EP 902256 A3 20020522 [EP-902256] TI - ANGLE MEASURING DEVICE LA - GER IN - SETBACKEN ROBERT [US]; GOEDEN RICHARD MICHAEL [US] - HEIDENHAIN GMBH DR JOHANNES (DE) - EP 98113081/98-A 19980714 [1998EP-0113081]

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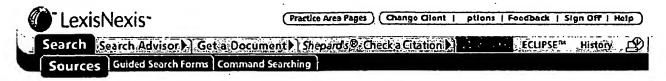
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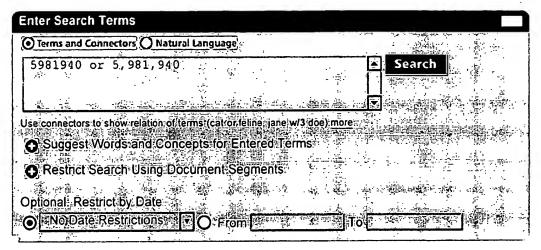
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      (EP 98113081/98 19980714 [1998EP-0113081])
    - 19990317 EP/AK-A2 (+)
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    - 19990317 EP/AX [+]
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     AL; LT; LV; MK; RO; SI
    - 19990317 EP/A2 [+]
     PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT
    - 19990818 EP/RIN1
     INVENTOR (CORRECTION)
     SETBACKEN, ROBERT * GOEDEN, RICHARD, MICHAEL
    - 20020522 EP/AK-A3 [+]
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     AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
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     AL; LT; LV; MK; RO; SI
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    - 20020522 EP/RIC1
     CLASSIFICATION (CORRECTION)
7G 01D 5/347 A, 7F 16D 1/08
UP - 2002-21
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PN - EP 902256 A2 19990317 [EP-902256]
TI - ANGLE MEASURING DEVICE
LA - GER
IN - SETBACKEN ROBERT [US]
PA - HEIDENHAIN GMBH DR JOHANNES [DE]
AP - EP 98113081/98-A 19980714 [1998EP-0113081]
PR - US 929539/97-A 19970915 [1997US-0929539]
IC - G01D-005/347
DS - AT* BE* CH* CY* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL*
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ACTE- 19980714 EP/AE-A
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      AL; LT; LV; MK; RO; SI
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- 19990317 EP/A2 [+]
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    - 19990818 EP/RIN1
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      7G 01D 5/347 A, 7F 16D 1/08 B
UP - 2002-21
3/3 INPADOC - (C) INPADOC
PN - US 5981940 A 19991109 [US5981940]
TI - ANGLE MEASURING SYSTEM WITH A CLAMPABLE SHAFT
IN - SETBACKEN ROBERT [US]; GOEDEN RICHARD MICHAEL [US]
PA - RENCO ENCODERS INC [US]
AP - US 929539/97-A 19970915 [1997US-0929539]
PR - US 929539/97-A 19970915 [1997US-0929539]
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    - 19991109 US/A
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    - 20020423 US/RF
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      20011029
UP - 2002-18
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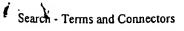
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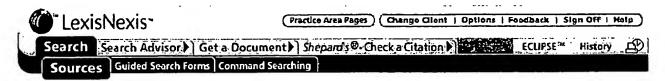
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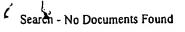
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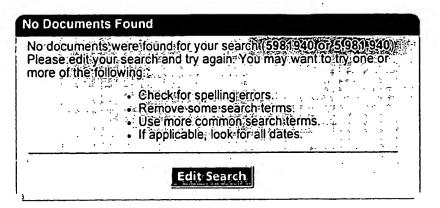
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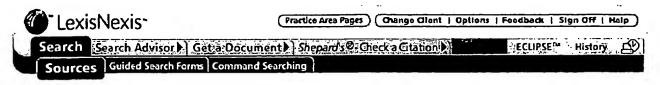
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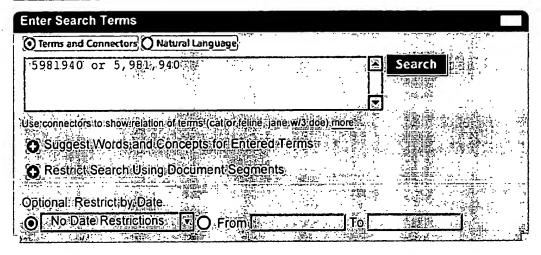




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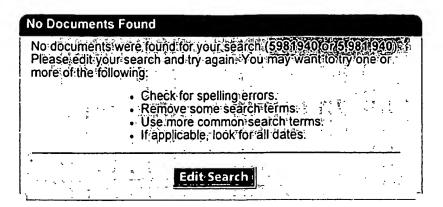
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